

Patent Abstracts of Japan

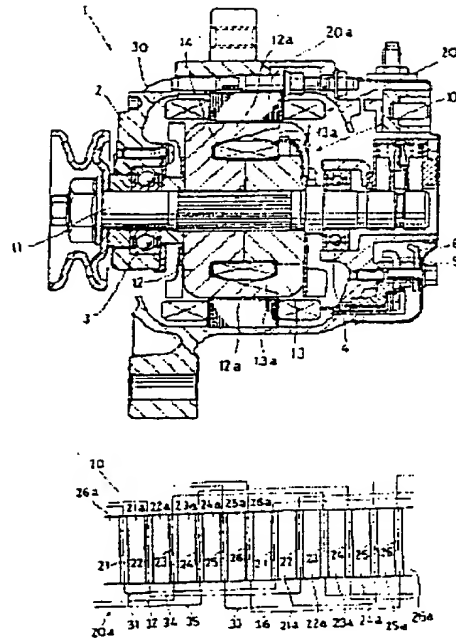
PUBLICATION NUMBER : 04026345
PUBLICATION DATE : 29-01-92
APPLICATION DATE : 17-05-90
APPLICATION NUMBER : 02127559

APPLICANT : NIPPONDENSO CO LTD;

INVENTOR : HAYASHI SEIJI;

INT.CL. : H02K 19/22 H02K 1/16 H02K 1/24

TITLE : AC GENERATOR FOR CAR



ABSTRACT : PURPOSE: To reduce leakage flux, and to diminish a ripple by mounting two tooth-shaped cores of a stator core per one phase and one pole for the number of phases of a stator coil and the number of magnetic poles of a rotor in the number of the tooth-shaped cores.

CONSTITUTION: Seventy-two slots and tooth-shaped cores are formed to a stator core 20a respectively in order to obtain two pairs of three-phase ACs for the twelve magnetic poles of a rotor 10. The main coils 31-33 of three phase are disposed to the slots 21, 23, 25 and the slave coils 34-36 of three phase to the slots 22, 24, 26 while giving phase difference at an electrical angle of 60° respectively as a stator coil 30 as shown in the figure, and phase difference at an electrical angle of 30° is given to each main coil 31-33 to each slave coil 34-36. Consequently, magnetic flux between magnetic poles 12a, 13a formed through a tooth-shaped core 21a is reduced, thus inhibiting leakage flux. Accordingly, the fluctuation of generated voltage and the disturbance of an output wavelength are diminished, thus acquiring stabilized voltage when DCs are changed into rectified currents.

COPYRIGHT: (C)1992,JPO&Japio

BEST AVAILABLE COPY